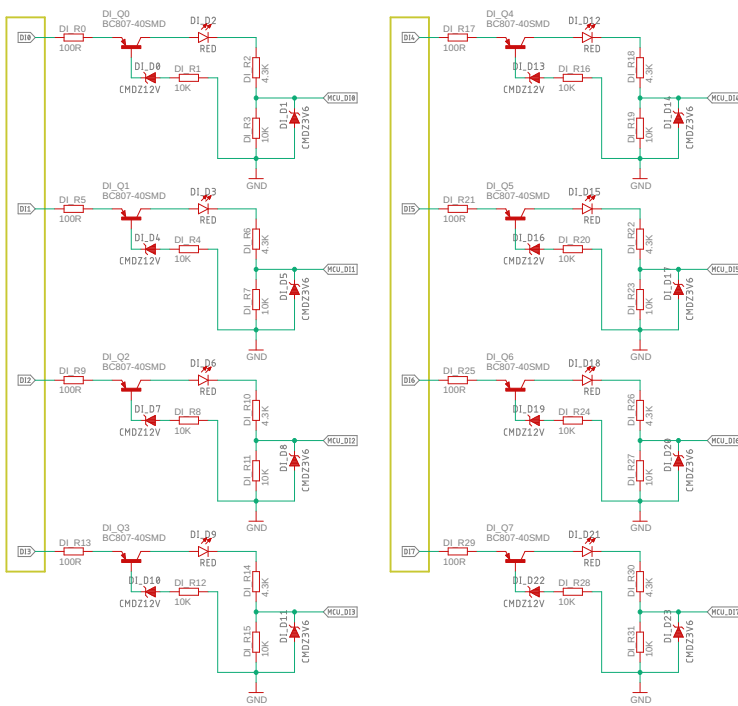


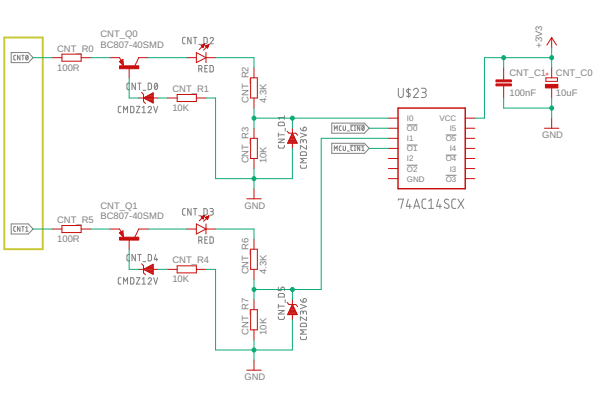


I/O Interface

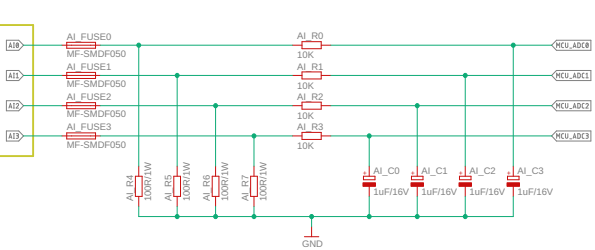
Digital Input Circuits



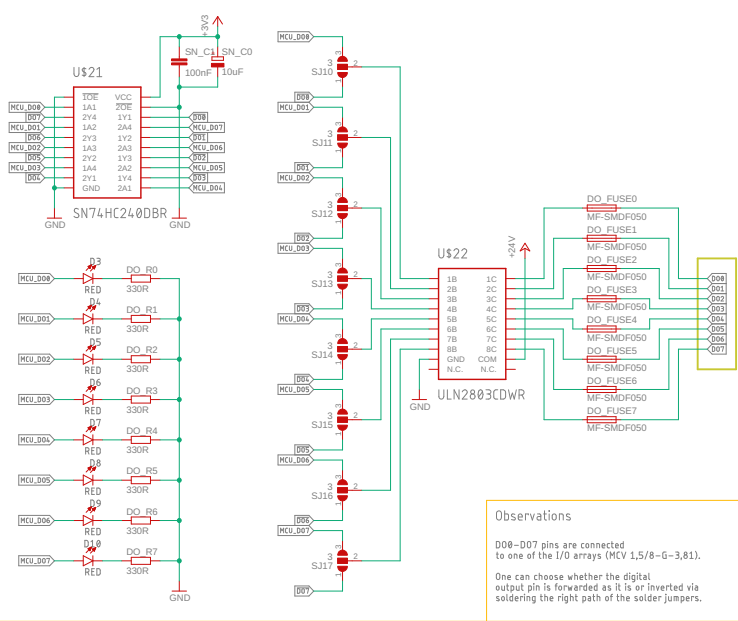
Counters



Analog Input Circuits



Digital Output Circuits

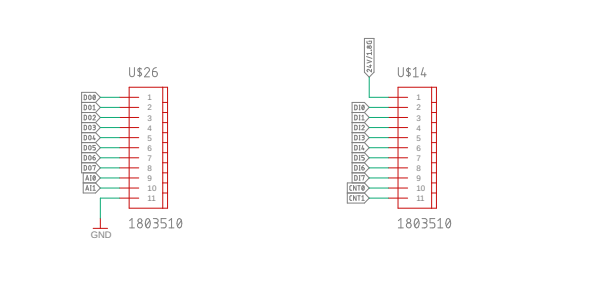


Observations

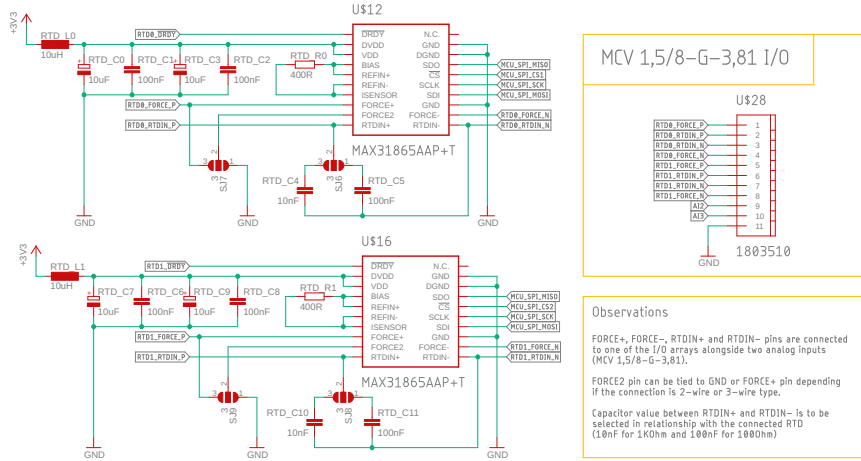
DO0–DO7 pins are connected to one of the I/O arrays (MCV 1,5/8–G–3,81).

One can choose whether the digital output pin is forwarded as it is or inverted via soldering the right path of the solder jumpers.

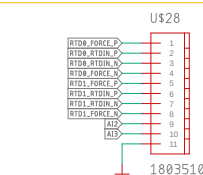
MCV 1,5/8–G–3,81 I/Os



MAX31865 RTD–To–Digital Converters



MCV 1,5/8–G–3,81 I/O



Observations

FORCE+, FORCE–, RTDIN+ and RTDIN– pins are connected to one of the I/O arrays alongside two analog inputs (MCV 1,5/8–G–3,81).

FORCE2 pin can be tied to GND or FORCE+ pin depending if the connection is 2–wire or 3–wire type.

Capacitor value between RTDIN+ and RTDIN– is to be selected in relationship with the connected RTD (10nF for 1Kohm and 100nF for 100ohm)

SAM4E, POWER, RTD, I/O

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